

DEWAN FAZLE AYAZ

CSE, CUET

Contact Information:

Email: fazleayaz11@gmail.com

Contact no: +8801862109142

Personal Statement

I am an accomplished student of Computer Science and Engineering having Knowledge of data structure, algorithm and database. At present, I am looking for an opportunities to work as a software developer for a leading company where I can use my knowledge and expertise.

Academic Qualification

Exam Title	Concentration /Major	Institute	Result	Pas. Year
B.Sc. Engineering	Computer Science & Engineering	Chittagong University of Engineering and Technology	CGPA: 2.78 out of 4	2017
H.S.C	Science	Feni Govt. College, Feni	GPA: 5 out of 5	2011
S.S.C	Science	Koroiya High School, Chhagalnaiya, Feni	GPA: 5 out of 5	2009

Problem Solving Skill

Practices Problems in Different Online Judge:

1. UVA Online Judge
2. Codeforces
3. Codeshef

Project

Pedestrian Detection based on Optical Flow and HOG (Undergraduate Project)

- **Duration:** 3-4 months
- **Team Size:** 1
- **Description:**
We estimate optical flow using Horn & Shunck optical flow algorithm, then segment out each of moving region based on same optical flow. Filter those regions using aspect ratio, we get our region of interest. Finally, we determine the HOG value for the region interest and provide it to SVM which classifies it into pedestrian or non-pedestrian.

The system can determine pedestrian from a moving camera.

- **Technology :** MATLAB

Windows Calculator (OOP Project)

- **Duration:** 15 days
- **Team Size:** 1
- **Description:** It is standard view of windows calculator program which can perform basic mathematical operation on the given operands.
- **Technology :** Java

Lexical Analyzer (Compiler Design Project)

- **Duration:** 1 month
- **Team Size:** 2
- **Description:** It can tokenize a program into keywords, identifiers etc.
- **Technology :** Lex

Other Projects

- **Server Project**
 - UDP Pinger using Python
 - **Computer Graphics**
 - A moving ball using Java
 - **Operating System**
 - CPU Scheduling and Disk Scheduling
 - **Software Engineering**
 - CUET Online Medical Center using HTML, CSS, PHP and MySQL
 - **Database Project**
 - Stock Exchange using HTML, CSS, PHP and MySQL
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- **System Analysis and Design**

- Analyzing the organizational management system of NCC Bank (Pahartoli branch, Raujan, Chittagong) re-designing the whole system pointing out the pitfalls and to provide a tech based solution to minimize losses maximize profits.
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Technical Skill

Technical Skills	C, C++, Java, PHP, Python OOP, Data Structure & Algorithm MySQL, HTML, CSS
Operating System	Windows, Linux
IDE & Tools	Code Blocks, Eclipse, NetBeans, MATLAB 2016, xampp, Notepad++, Visual-Studio

Personal Qualities

- Logical and computational skills
- Motivational and leadership skills
- Ability to work under pressure
- Ability to work individual as well as in team

Personal Interests

- Artificial Intelligence
- Machine Learning
- Artificial Neural Network
- Digital Image Processing
- Computer Vision

References

Name: Dr. Kaushik Deb Designation: Professor Dept. of CSE & Dean, Faculty of Electrical & Computer Engineering (ECE), Chittagong University of Engineering & Technology (CUET), Chittagong 4349, Bangladesh Email: debkaushik99@gmail.com	Name: Jobayer Sheikh Designation: Software Engineer, IpVision Phone: 01752-062838 Email: jobayersheikhbd@gmail.com
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